lation and annotation of Spanish Islam, a History of the Moslems in Spain by REINHART DOZY (Duffield and Company). Up to the appearance of the work of ozy (1820-1883) in 1861, Conde's Spanish history of the Moors in Spain had been accepted on all hands as authoritative, and practically as final. Dozy, a Hollander, who entered the University of Leyden in 1837, devoted himself to Orientalism, and took for his qualifying thesis a monograph on Arabian cos-This took him far affeld, among other places into the Spanish language and into Conde's history, which he found entirely uncritical and untrustworthy For one thing, the author did not realls know Arabic, and according to his critic and supplanter "brought an imagination of extreme fertility to the aid of a knowledge scarcely elementary."

this estimate another Orientalist, no less than Ernest Renan, concurred. conservative estimate of Conde's work by an English scholar is that it is "a book of considerable literary merit but slight historical value." In the course of a volume on the mediæval history of Spain, published in 1849, Dozy made his attack, which could do Conde no personal harm since he had died in 1820 but which destroyed the reputation of his history. This attack was so wel sustained that it procured academic honors for the critic even in Spain where a sensibility about the work of a famous Spanish author might have been supposed to be prejudicial to the acceptance of a hostile criticism writter in French by a Dutchman. This and other historical investigations were worth to Dozy the chair of history in Leyden in 1850, and the ensuing eleven years were largely devoted to the history, which in its original French form occupied four volumes, but is in this English version compressed into a single large octavo of some 750 pages each of the original volumes becoming It seems strange that more than half a century should have elapsed without a translation of so important a book into English. Doubtless that would have been done long ago if the author had written it in Dutch instead of French, as many of his countrymen resented his not doing. Mr. Stokes particularly praises th

sents. In that praise few readers wil concur. Some sketch of Spain before the Moslems entered it would seem to be a necessary preliminary to the story. as well as some sketch of the Moslems before they entered it. The latter, in deed, we have in the first book, which however, in the course of the narrative rather assumes their arrival in Spain than describes it. It is only in the second book that the state of Spain before the conquest is adverted to at all. It is probable that there are no trustworthy details of the foundation of the Visigothic kingdom which held sway before the invasion or an author who has ransacked all the Arabian manuscripts so diligently would have found them. All that he tells or rather shows us about the Visigothic kingdom is that it was "structurally In no other way can we ac count for the ludicrous ease with which the Moorish conquest was accomplished. The weakness is commonly attributed by historical inquirers to the fact that the Visigoths had remained foreigners. They had taken no root in the soil no any real hold of the people. It is curious to consider how Spain up to the sixteenth century had been imme morially subject to one or another for-The Roman had been the easiest of these, and the Roman occupation the most fruitful. It is signifirant how the metropolis attracted the talent of the province and added their kind occurred under the Visigoths. litical institutions than of arts, nothing that has left relics to denote a de- in Spain?"

arrangement of the book which he pre-

The Visigothic rulers seem to have power when the Visigoths arrived. There were a few enormous estates (the latifundia), and a population of serfs and slaves, two distinct classes of which the conditions of servitude were different, but with nothing in of wine either which could stimulate patriotism or make the victims of it willing to Visigoths found in this respect they seem to have left. There was an obvious way to divert popular discontent. The author quotes from Michelet "Whenever, during the Middle Ages, men began to ask why it was that the ideal paradise of a world under the sway of the church was realized here below as a hell, the church, conscious of the objection, hastened to stiffe it by declaring: 'It is the wrath of God! It is due to the crime of the Jews The murderers of our Lord are still unpunished!' And a persecution of the Jews was set on foot." In the persecutions of 616 it is related that 90,000 Jews were terrorized into baptism. In 694 a plot of the Jews to invite an invasion from Africa was discovered and all the Jews were enslaved. Slaves and serfs were alike opposed to the powers that were and yet slaves and serfs were all upon which that power had to rely. There were more slaves than freemen in the army, which is to say that a ma-jority of the army wished well to the enemy, whoever he was. So that when the invading Moslem army landed, only seventeen years after the enslavement of the Jews, it found the majority of defenders in a hospitable mood.

The Arabian Governor of Africa had sent across the Straits in 710 a raiding party of four hundred Berbers with a hundred horses, which had plundered the neighborhood of Algeciras and returned without molestation. Encouraged by this success, he sent over the ext year a force of 7,000, which landed et Gibraltar, took the town at the base the rock, and, on the approach of the Visigothic King Roderic, instead of years. reembarking, sent back for reenforce-These were forwarded to the their own grievances against him. raiders, who would withdraw, as they

resistance. Cordova was delivered up by treachery. At Toledo the Jews betraved the Christians. The raid, as it was in the original intention, had become a conquest. It was nearly a year before more Moslems came over from Africa. when 18,000 came under the command of the Governor in person. Seville and Merida alone gave them the trouble of standing a siege. In a wonderfully short time the conquest became more complete than it could have become generation if the mass of the inhabitants had believed they had any

thing to lose by a change of masters. The historian thinks they were in facbetter off than before. The confiscated land had been divided from great estates into small holdings, to one of which any tiller of the soil might aspire, so that what was in effect a system of peasant proprietorship came about. Moreover, slavery itself was much milder under Mohammedan than under Christian law, and freedom within the reach of everybody who would declare that there was no God but God and that Mohammed was his prophet. Then he became freedman." But, having offer freedman." But, having office aposta-tized from Christianity to Mohammedanism, he must take good care not to apostatize back again. That was never intelligibly there were many who could forgiven. And indeed the state of the renegades was not enviable at the They were despised by the 'Christians and distrusted by the Arabs. All the same, though the yoke of the stranger presently became much heavier than it had been at first, when the conquerors, in their own interest, were taking pains to conciliate the conquered, there was never a religious war, properly so The lukewarmness of the incalled. vaders in the matter of religion is one of the most surprising disclosures of these pages. An outward conformity was all that was required, and the penalties for refusing that were not very grievous. Christians were taxed as such. But at the very worst of the Moslem rule religious persecution never become so fierce and ruthless in Spain as it did after their expulsion, when the Holy Inquisition was in full force and effect. It is true that the Church as a corporate body was not so well off as the individual Christian. That was an institution with profitable opportunities which the conquerors took over to themselves. The ecclesiastical rights of the Christian kings passed to the Arabian Sultans: They sold bishoprics to the highest bidder, and it was the same to them if the highest bidder was a Jew or a Moslem. He had means of reimbursing himself out of his Christian

The first serious conflict occurred nearly a century after the conquest, The conquerors as they became more secure in their hold of the country became less observant of the treaties by which they had secured the submission of the more formidable communities. inder the Visigoths there appears to have been nothing that could be called a nationality. Each city made war and peace on its own account. One of earliest of the risings against the Moslem power was that at Toledo. It was hardly even a rising, so soon and so terribly was it put down in the memorable massacre of "The Day of the Fosse" The whole affair was the result of fanaticism, but it was not a fanaticism of Moslem against Christian but of Moslem against Moslem, of Moslem Puritans, so to say, against Moslem Cavallers. Abd-er-Rahman, first of the name, had ruled without dispute, though his rule had not been pleasing to the Fakihs, or "theologians. as the word is here translated, the Moslems of straitest sect. His successor was an ascetic and a devotee, who had couraged the Fakihs by precept and by example, and had sent theological students to their chief in Medina. This chief was Malik, the founder of one of the four orthodox sects of Islam. Of one of these pupils a characteristically such Latin classics, for example, as lecturing, an elephant passed the semi-such Latin classics, for example, as lecturing, an elephant passed the semi-fuse to Mrs. Pankhurst the privilege of large and the festal voyage up the river translating her system of refined large. achievements to its own glories; how Oriental tale is told. While Malik was rushed out to see him, all but ber sent by the Sultan of Spain. "Why There was no more development of po-litical institutions than of arts, noth-the professor: "there are no elephants "I left my country to see you and to profit by your teachings, not backed by her beetling dreadnoughts to look at elephants," was the answer, and superdreadnoughts and plupreteron simply waiting till a stronger than which, of course, greatly endeared the they should come. That had been the pupil to his revered preceptor. But the condition of the remains of the Roman son of the royal theologian and devotes son of the royal theologian and devotee was by no means of the paternal mind. While he rather liked theology, in mod- the Dove. eration, he was of a gay and sociable turn of mind, fond of field sports and

The Fakihs entirely withdrew from Hakam the confidence they had had Fight to keep it going. And what the in his father, and came flercely to re-Visigoths found in this respect they sent his rule. They prayed publicly for his conversion, a liberty to which no detail of a deliberately worked up vol-sovereign can be expected tamely to ume and gains thereby in the effectivesubmit. They even assembled a mob to stone him in the streets of Cordova. insomuch that he and his guard had to period of peace with which his treatise fraw their swords and cut their way through. Thereupon the theologians plotted to supplant the Sultan with his cousin. The plot was betrayed. Some of the conspirators learned of the betrayal in time to make their escape, but eventy-two of them fell into the Sultan's hands and were promptly crucified. One of the refugees made his way to Toledo, where he resumed plotting. The seed fell upon good ground, the Toledans having already their special grievances. The Sultan, now thoroughly Recognizing clearly the force of this embittered, set a trap for the con-consideration and seeing plainly "how, by slow steps, with many interruptions ately induced the citizens to build him and much bitterness on both sides, we castle to repel invaders. The Sultan ent his son to the governor on a visit and the leading Toledans were invited to meet him at the castle. The guests as they arrived were admitted only one of friendliness dull slightly the logic of by one at the main gate, while their horses were taken to the postern to which the book grew were written await their exit. But in the court there was tense dissatisfaction in Eng yard of the castle there was a trench, the "fosse" of the title, to which each guest was led, and when he reached it, beheaded and buried. The arrangements had been so well made that nobody took alarm until it was too late. The victims were estimated by temporary chroniclers from 700 to 5,000 But the theologians and the "renegades" of Cordova were kept quiet for seven

The story is characteristic of Moorish rule in Spain, and typical of many number of 5,000. The Visigothic nobles others that are told there. Machiavel to whom the King had appealed had lian principles of government were never better understood or more skilfully ap-Moreover, they believed, or affected to piled in the sixteenth century by the that the invaders were mere Christian rulers of Italy than they had been in the ninth by the Mohammedan had done before, as soon as they had rulers of Spain. Massacre alternates exhausted the booty in the neighbor- with assassination, by the knife, by bood of the landing place. Although strangulation, by poison, as a political they did not wish to see the country device which percent the in they did not wish to see the country device which nobody except the inenquered, they did wish to see the tended victims seems to have made a King discomfited, and, when the battle ground of reproach against those who was imminent, ordered their men not employed it. And the Moslem domina- and bitterness wholly unexpectable. No join in it. As a result, in the battle of tion found victims who could suffer as July 9, 711, the invaders defeated the heroically as rulers and conspirators expected from the Senator. Good relative King was killed or disappeared and Christian flendishly. The annals of tions exist, and he and we hope they the King was killed or disappeared, and Christian martyrdom have no more will always continue; but the ironical the leader of the Berbers, encouraged affecting story than that of Flora of fate of nations knows no more examperby his easy success, continued to ad- Cordova, the child of a mixed mar- ating challenge than that of hollow

Mohammedan and who would have been quite safe in retirement had she not courted and invited martyrdom by bear-ing witness to her faith. The Moslem judge before whom she was arraigned tried his best to induce her to buy her life merely with silence. Her teacher, Eulogius, was of as stern stuff; one of his judges accused him of conspiring

against his own life. The Moslem rule in Spain anticipated not only in its political cruelty and stoutly but in its efflorescence of letters and art. The mosque of Cordova, parison with it, and the masterpiece of worthy works of the Moors in Spain, is coeval with the cathedrals of the Ile de poetry has never extended to the Aryan superseding Latin, and that for one write the former even with elegance. revenge of Christendom seven centuries later, when as chief of the Inquisition he ordered 30,000 volumes to be destroyed at Granada and anathematized the Arabic in which they were written as "the rude language of an heretical and despised race." Hakam, who in the tenth century succeeded Abd-er-Rahman III. the greatest of the Moorish rulers, was a scholar and the great enunder him that the University of Cordova took its highest rank, and he encouraged foreign scholars to settle in The Moorish chroniclers assert that his own library numbered 400,000 volumes, of which he had read all and seems, would have been a respectable life work for Methuselah. The priority of the Moors in the higher mathematics is still attested by the use of the Arabic word algebra. The Moorish conquest of Spain remains one of the most wonderful of historical phenomena, and an authentic recital of it from the original documents a valuable possession, which this volume makes for the first time accessible to English readers.

The Anticipated Centennial of Peace.

of HENRY CABOT LODGE'S One Hundred Years of Peace (Macmillans) is not disturbingly bold, even though the one hundredth anniversary of the Treaty ahead of us; if John Bull is getting amour propre of English readers. without great reproach, or mellow, as his temperament may be and the nathe provocation prescribe. ture of Brother Jonathan too has been moving with the fugacious years and has ex-changed the Yankeedoodleism of his exuberant youth for something of the outward calm and dignity of complacent middle age. Yet, let the thrifty instinct of authorship and the restless Americanism that puts afternoon editions on the street at 10 A. M. and circulates Saturday magazines in midweek and monthlies on the advance 15th seek its market with what ever it may of commercial prepositiveness, more amusing than reprehensible, it is permissible to speculate quite in the subjunctive mood, on the almost metaphysical possibilities of those fifteen months discounted so care lessly or with such confidence of calculation. So many things might pen before Christmas of 1914! To go no further into the inviting field of severely conditional prophecy, our clsdiarism and sweetly feminized anarchy to our land of the new but not boundless freedom-and England, jealous for her devoted daughters, might immediately enter upon a course of reprisal backed by her beetling dreadnoughts superdreadnoughts: whereupon the "century of peace" would be swiftly and effectually "knocked into a cocked hat." But this is borrowing trouble for

carned distinctions in scholarship and disregardful of the Koran's prohibition affairs exhibits in exalted ranking a careful and correct study of American istory as well as institutions, avows very early in his book-which rather the air and force of an address from the platform than the scope and ness of its sharp outline review of near-century's experience-that the concerns itself is more accurately described in negative than in positive terms, as a period free from armed con flict. The cold fact is that "there have been some perilous moments when war has seemed very imminent." Fortunately it has happened that when the rulers of the two lands have been at loggerheads the feelings of "the silent masses" have been friendly enough to check hotheads in authority; and when the popular passions have been aroused there has been no official casus belli have finally attained to the genuine friendship in which all sensible men of both countries rejoice to-day." Senato Lodge seems to let the noble impulse facts. When the germinal articles from which the book grew were written land concerning Washington's attitude toward the matter of Panama Canal tolls; and when those articles were "revised, corrected and much enlarged" it must have become apparent that th hostile sentiment rested upon no frail fulcrum of whim or quibble but upor the mutually fair interpretation and application of the terms of an international understanding of undisputable record and authority. Not to magnify mole hills, and relegating the English abstention from participation in the San Francisco exposition to the limbo of in terests of less than war spouting poten tiality, a symptom not the disease, there is still enough latent chemical force in the toll debate to cause a pretty disastrous explosion under reckless handling. Let not the suspicion of chauvinism at tach to this suggestion: here again those to contrive a satisfactory solution and settlement. The sole intended implica-

vance. Town after town fell without riage, who had always passed as a praters of peace eager to accelerate the millennium's approach.
Fishing rights, boundaries and commercial relations have kept statesmen awake through anxious nights. Amercomplimentary exchange in generous filled the English reviews with slander

cay publishers have played ducks and with copyright, and Mrs. Trollope and Dickens paid back the debt of measure. Southey and Sydney Smith of the American people that wise Cole the time of the Renaissance in Italy ridge gently rebuked and Emersor refuted, but Thackeray, Irv ing's friend, was kinder, and the admirable Mr. Bryce continued that fashbegun in the tighth century, was com-pleted as the traveller now sees it in settled "questions so inflamed by ex-The Webster-Ashburton treaty the tenth, when there was no other transous and accidental circumstances recent construction in any other part as to have brought the two countries of Europe that would bear artistic com- to the verge of war." Perhaps if President Polk had not been a Democrat the Saracenic decoration, the fortified palace Senator would have honored him with of the Alhambra, the latest of the note- a little less adjectival irony; but there was a good deal of bluffing on both The appreciation of Arabic that might well have led to resort to the harsh arbitrament of gunpowder mind, although it was a complaint Hinting, not sadly, of what might have among the Christians of Spain in the been, the Senator suggests that the that the ninth century that Arabic literature was backdown on Fifty-four Forty cost us the control of the Pacific, and points Christian who could write the latter out that we might have conquered Canada after the civil war. The Trent and Alabama affairs, and Cleveland's To be sure, Cardinal Ximenes took the vigorous assertion of the Monroe Doc "Venezuela incident" of trine in the 1895 carried the seeds of war. And yet through all the revolving decades there was no war.

To President Cleveland Senator Lodge gives praise for "a very great public service," the conviction of the Powers of Europe with a new and effective appreciation of the Doctrine. He cites the Chichester incident at courager of learning in his time. It was Manila Bay as "representative of the attitude of the British Government": "The sympathies of Europe were with Spain, but England stood with the Inited States.'

The great clearing up of Anglo-American relations fifteen years ago annotated most. The mere perusal, it wins hearty praise for the statesmen of that time:

The policy might as well have been dopted in 1798 as in 1898. • • • Mr. Balfour and Lord Lansdowne put into effect their belief that the true policy for England was to be friends with the United States • • • They are entitled to a place in the memory of Americans with Burke and Fox and Chatham, with Cobden and with Bright, who did not forget the in the days when the Americans were a little people struggling to exist, or in those darker days when the Government of the The presumption implicit in the title unity of the great nation which Washington had founded and which Lincoln was destined to save.

Senator Lodge's swift review of the history of ninety-eight years of peace hundredth anniversary of the Treaty will not hurt the pride of patriotic of Ghent is a Christmas and a quarter Americans and ought not to offend the old enough to be a little querulous should awaken on both sides of the Atlantic an earnest resolve for the rounding out of the warless century; a resolve not negligent of abhorrent possibilities and infinitely more to be desired than limitless floods of mawkish sentiment.

The Father of Steam Navigation. It is decidedly unusual for American readers to get from an English author impetus for a favorable revision of the established reputation of one of their own great men; but such an experience is in store for readers of Robert Fulton, Engineer and Artist, His Life and Works, by H. W. DICKINSON, associate member of the English Institute of Mechanical Engineers and a member of the staff of the Science Museum at South Kensington (John Lane Company) Not that Fulton has suffered obloquy or even neglect at the hands of compatriots; far from it. The joining of his name with that of Henry Hudson alone have insured the great inventor of hailed or of a revival and new accession everyday language. Perhaps it paragraph or two in every school book of American history. The Manhattan street that bears his name was so christened at its opening in 1816 as a thoroughfare between the two ferries, over for each, supplanting ferryboats propelled by sail and oar; and there are not lacking in the city, both on the hither and the further side of the East River, other memorials. It will be a pity if, as the English author sorrowfully anticipated, the then projected commemorative watergate is to have none but a paper existence: money subscribed has been spent on

preliminary studies, and public inter-Robert Fulton is not forgotten; but American estimates of his work have been inaccurate, either patriotically exaggerated or loosely composed, and at the hands of foreign critics he has suffered equally unfair detraction in favor of their own countrymen. It is of commonplace observation that great theories and inventions are often achieved almost simultaneously by minds in only the most tenuous, if any, communication, and in and before Fulton's time many engineers were working on the problems, principally of canal construction and operation and of steam and submarine navigation. that occupied Fulton's highly original genius and chained his eager and susained attention. Mr. Dickinson's profeesed and nicely executed intention is to fix "without bias and without petty national feeling" the facts of Fulton's career; and the story he tells is delightfully free from blas of any sort. He avoids even the temptation to stand so straight as to "lean backward"; he is fair to both sides of the Atlantic. Indeed, as he says, Fulton was pretty much the cosmopolite: "Born a British subject in a British colony, the seed time of his life was spent in England, the fruition took place in France. the harvest was reaped in his native America." The centenary of the intro duction of steam navigation on a commercial basis occurred in this country six years ago (though its celebration was postponed to blend with the observation of the Hudson tercentenary). while in England it fell only last year of his studies, but upon the date of the of his long cherished dream.

separate condenser, and in 1782 he perfected his engine to the point where it may fairly be said to have become the basis of the modern machine. Cart-wright invented his power loom in 1785. In the next two years two Americans, John Fitch and Oliver Evans, ran respectively a steamboat and a steam

ran his steam propelled Charlotte Dun- the Eric Canal in this State are crea- American addresses. das on the Clyde in 1802; the English- tures of Fulton's dream made real. man Richard Trevithick ran a steam ocomotive on rails in 1804; Joan terests was remarkable. Stevens, American engineer, invented a twin screw propeller for steamboats in the same year, and not until 1807 was Fulton's engine, "Fulton's Folly. they called it to set the echoes of the Hudson highlands reverberating to the sharp exhaust of the steam engine. It was the length and speed of the trip, against wind and tide -"the voyage has been performed wholly by the power of the engine," wrote Fulton himself to his old friend Joel Barlow-and the carriage of passengers that made an era rounding event of the voyage. The famous round trip to Albany began August 17; the boat ran pretty regularly throughout the summer and early fall, and by October a New York newspaper was urging the use of the steamboat for carriage of mails. On October 1 the Clermont came from Albany in twenty-eight hours, carrying sixty passengers; the next morning she left New York with ninety passengers aboard. With typical American quality the tremendous innovation was accepted with such a combination of complete recognition and cool matter of factness that contemporary records are surprisingly scant. New York had population of \$3,000, with a score of newspapers, half of them dailles, yet excepting the letters written by Fulton and some of the passengers, there is only the barest mention of the steamboat outside the advertisement col

A marked trait of Fulton's character s revealed in his letter of instruction to Capt. Brink of the Clermont:

Sir-Inclosed is the number of voyages which it is intended the Boat intended the Boat should run You may have them pubthis season.

lished in the Albany papers.

As she is strongly man'd and every one except Jackson under your command, you must insist on each one doing his duty. turn him on shore and put another place. Everything must be kept in order everything in its place, and all parts of the Boat scoured and clean. It is not sufficient to tell men to do a thing, but stand over them and make them do it. One pair of Quick and good eyes is worth six pair of hands in a commander. If the Boat is dirty and out of order the fault shall be yours. Let no man be Idle when there is the least thing to do, and make them move quick.

Run no risques of any kind when you meet or overtake vessels beating or crossing your way. Always run under their stern if there be the least doubt that you cannot clear their heads by fifty yards or more. Give in the account of Receipts and expenses every week to the Chancellor. Your most obedien

The record of Fulton's connection

with the problem of moving vessels b

ROBT. FULTON.

means of steam power begins in 1793 with a letter to the Earl of Stanhope, himself a mechanical inventive genius of no mean order, in which the Amer!can describes his experiments, begun in June of that year, and invites his Lordship's candid criticism. His Lordship gave it, with all the candor that could have been desired. The first experiment had been with a stern paddle intended to be turned by a winding bow. "to imitate the tail of a salmon"; there was plenty of force, but the return of the paddle prevented continuity of progress. The second device involved the use of side paddle wheels, "no longer in the water than they are doing execution." There were speculations as to action of the paddles and the least resistant shape of hull. Lord Stanhope politely pointed out that the young inventor was far behind the times; his ideas were elementary. The Earl himself was experimenting assiduously with a "duck foot" propeller. The in teresting thing about Fulton's progress in the problems of steam navigation is that he worked his way independently. traversing old ground without nosing his pioneer predecessors' trail. mind was amazingly fertile in devising mechanical expedients, and he had a translating her system of refined incen- of a replica of the old Clermont would happy knack of going straight to the a belated recognition had he never been stating technical problems in lucid was of fame had his reputation merely suf- an advantage to work in advance of the fered a temporary lapse; and Fulton's development of the modern engineername and principal achievements get a ing lingo. The very idea of using Watt's lately patented engine in a boa was an original departure from the then conventional lines of experiment in marine power, and Fulton displayed great acumen in his grasp not only of the difficulties of application of the him who had built the first steamboats energy but in his quick advance upon the fundamental requirement of getting the most power with the least weight of machinery; a forerunner of the problem that bothered the first "birdmen." Fulton visited Symington and saw his

steamboat in operation, but Mr. Dickinson resents the attempts of "detractors who down to the stroke and diameter of his was fundamental, he says; and he finds in the direct comparison which he invites and makes not contradiction but confirmation of his contention that Fulton's achievement had "independent origin." Symington's engine was horizontal, with a cylinder of twenty-two inches diameter and four foot stroke, while Fulton had a vertical beam engine with the same stroke but twenty-four Berlin, and "Citizenship in a Republic," inches in diameter; and while Symington's engine acted direct on a paddle craft Fulton's was connected by gearing through a flywheel to drive paddle wheels at the sides of the boat. Symington's was the better arrangement. fitly spoken. It has particular uses for

to commercial usefulness. the capacity of promoter, the long nego- an American university was expressly tlations with the Governments of instructed on taking up his work that France and England, the series of pat- he was to pay no attention whatever in ents and the inventor's hardihood in ex- giving his marks to the manner of presploiting by personal demonstrations the entation of the results of the investigaqualities of his submarine craft and his tions of his students, that their "Engtorpedoes. No game was too high for lish," from spelling upward, had noth him to fly at; he wrote, with naive ing to do with the case. It is impos earnestness and considerable persuasive sible to imagine such instructions beeloquence, to Washington and Bonaparte, and in his correspondence with haps that is the reason why a new book Government officers he shows a right shrewd understanding of the principle of effective "approach." He was earnest, Fulton's fame as a pieneer does not enthusiastic, optimistic and confident rest upon the time or subject matter almost to "cheek." Always while working abroad he had America at the back practical realization in a business sense of his head. His activities in canal construction and operation, excavation, whether or not it was written to be It was in the very year of Fulton's motive power and inclined planes, activi-birth, 1765, that Watts patented his ties of which Mr. Dickinson makes a motive power and inclined planes, activi- printed, it was at least printed to be real story, were conducted by force of monograph, non sequitur. It was circumstances in terms of English needs printed to be put on library shelves

The range of his mechanical In addition to the canal and steamboat work on which he concentrated he invented a machine for sawing marble blocks, digging machine, a draw or "weigh" bridge, a canal plane system, submarine boat and torpedo, a machine for making rope to supersede the slow process of manufacture by hand, and devised a scheme to regulate the area of windmill sails, by means of the wind itself, so as to suit the varying force of the gale. The paddle wheel he used it in a windmill to furnish propulsive hodman's material. power for a canal boat, he used it in his digging machine to force to one side the earth excavated by a series of tion. scoops, and he used it triumphantly on and truthful investigator. He does his steamboat. He evolved "the first an indispensable work. My claim is crude idea of the tanks now extensively used for predicting, from the behavior of scale models under varying conditions. the performances of the actual vessels constructed from them," using an artificial pond sixty-six feet long, nine or ten feet wide and two or three feet deep.

And the man who engaged in these

distinguished mechanical activities had

his life story is pretty hazily embodied in ply the lack of great architects."
the common knowledge of Robert Ful-He went to Philadelphia in 1782, at the age of 17; and three years later-the record of the interim is scant and unauthenticated—he was established as a miniature painter, a profession which he pursued with real Perhaps it was the example success. of the two Benjamins, Franklin and West, that led him in the winter of 1786-87 to England, where he studied, it is almost certain, under West's direct supervision. His artist life was too uneventful to leave any adequate record of his activities. He 'hung" in the Royal Academy in 1791, two pictures, each the "portrait of a young gentleman," and had that year four paintings in the exhibition of the Royal Society of British Artists. portrait of Lord Courtenay so pleased the noble sitter that he introduced the artist to persons whose commissions were decidedly welcome to the young man, who had begun life in England with forty guineas. Charles Henry Hart of Philadelphia in a letter to the author said:

Apart from a curious flatness that h gave his miniatures, which can be recog-nized even in the reproductions, they are remarkably good for so young a man with so little instruction. They are well drawn good in design, delicately colored, as miniaures should be, and well executed techni

The work itself is said to suggest. nd circumstances are not in denial of the possibility, some instruction from the critic quoted above says:

Fulton's work showed strong characteri ition and breadth, a firm brush and good style of his own, and while he gave some romise, it is doubtful whether he would ever have equalled Benjamin West; decid-edly he would not have attained to the stature of John Singleton Copley. Gilbert stuart and John Trumbull, to mention only who were his contemporaries and

Fulton's combination of the imaginaive and constructive faculties, the artist and the engineer, suggests a parallel with Samuel F. B. Morse in this country and James Nasmyth, inventor of the steam hammer, not himself a painter but the son and brother of eminent artists; a family exemplification of the close relation possible between the two strains. Whether Fulton's abandonment of art as a means to a living was lue to sheer preponderance of the engineering instinct, to recognition of his imitations on the artistic side or to the force of adventitious circumstances is not clearly known; but he company applications for patents; they and a number of Fulton's paintings are reproduced in great number and ex-cellent style in Mr. Dickinson's book. Mr. Dickinson has performed a use-

manlike fashion he presents a portrait fair and true to the life of Robert Fulton as a man, as an artist and as an inventor. Appendices contain a wealth of data supplementary to the narrative.

Mr. Roosevelt's Essays.

ture and Other Essays, by THEODORE ROOSEVELT (Scribners), was decidedly worth making. It includes all the auhave declared that Fulton borrowed thor's literary work since his return from Symington all his ideas, even from Africa which he thinks worth collecting and preserving, politics and cylinder." The difference in their plans travel excepted. What gives it its chief esting and enjoyable writing has been value, dignity and interest is the addresses which occupy the first half of it. These include "History as Literature," the address delivered before the American Historical Association by its president; "Biological Analogies in History," the Romanes lecture for 1910 delivered at Oxford; "The World Movement," delivered at the University of ment," delivered at the University of Berlin, and "Citizenship in a Republic," delivered at the Sorbonne. None of these has the characteristics of an improvisation. All are carefully planned and written.

"History as Literature" many readers

"Bishop Stubbs, who was then in charge of a country parish in Essex. He arrived there on a Saturday and was excused attendance at Sunday morning church on the ground that he must be tired with his journey.

He had breakfast in bed, but finding it a glorious morning he arraved horself. wheel set in a recess in the stern of the provisation. All are carefully planned

will hail as a word in season and a word but recognition of the superiority of the members of the association before direct action was postponed half a cen- which it was delivered. There is a tentury. The difference between the Brit- dency, perhaps made in Germany and ish and American engineers lay in the pretty clearly imported thence, among use they made of their inventions: Sy- the modern teachers and the modern mington's "had no permanent abiding writers of history to maintain that hisresult." while Fulton's were carried on tory being science cannot be literature; that history and literature have noth-Less known but perhaps even more ing to do with each other. So far has romantic were Fulton's experiences in this gone that a teacher of history in ing given in an English university. Per on an historical subject by an Englishman is so much surer of being interesting than a "monograph of some im-portance" by an American.

infers, with Sam Johnson about the work of Sir Jonas Hanway, that, With the modern American 'It was . of ultimate commercial application in the latter, the homeland. He saw "a short Cut monographic mandarins. Mr. Roosevelt from New York to Philadelphia to have a countered this baleful tendency, make the homeland with this mark in his attle or lumber from Philadelphia to Lake Eric. The same and have equally been moved to assail it as the late British Ambassador was solve of his declining years."—J. Arthur moved in one of his recently collected. road wagon. A steam coach was pat from Philadelphia to Lake Eric. The as the late British Ambussador was solice of his deci-

Mr. Roosevelt's treatment of the subject is much more elaborate and is extremely interesting It ought to have effected some conversions among the historical mandarins, though perhaps it is still too early to seek for evidence of a new faith in taking torical mandarin cannot by thought increase his stature to that of an historical genius, though he can be and ought to be moved to take a juster view of his own place in the scale of creation and to look upon himself as in Fichte's phrase, a "hodman," instead of endeavoring to despise the superior who knows how to make use of the The present lecturer puts the case clearly and strongly, and at the same time with circumspec "I pay high honor to the patient merely that such work should not exclude the work of the great master who can use the materials gathered. who has the gift of vision, the quality of the seer, the power himself to see what has happened and to make what he has seen clear to the vision of others My only protest is against those who believe that the extension of the ac tivities of the most competent mason begun life as a painter. That part of and most energetic contractor will sup-

the subject of the Romanes lecture at Oxford form one of a class of topic which, since the modern advance and the modern popularization of physica science, have become irresistibly allur ing to many men of speculative minds Perhaps Walter Bagehot's "Physics and Politics," published a generation and a half ago, was the ploneer of such studies in English. What analogy is there be tween the individual organism of the evolution of which we are coming to know so much more than was ever was known before and of the species and genera which it comes to constitute, and the social and political organisms which the human species, working out also the behests of nature, has evolved for itself? How are nations and institutions evolved and they advance, retrograde, take the lead and become extinct, even as species and genera do? Or is it with man made organizations as with organisms evolved by nature directly and without the intervention of man? When only the works of man were in question, as exhibited in history, it was already doub! ful to many, so wide is the difference in circumstances between any two histori cal cases, whether the "lessons of his ory" were of practical value or applicability. When the variety is so increased by the bringing in of organisms not of numan origin as to produce mere be wilderment, it is still more temerarious to attempt the drawing of "uses" "morals" from procedures which may Peale, the famous American portrait all the same afford matter for specious painter. Of Fulton's larger paintings and attractive illustration. Here also Mr. Roosevelt exhibits circumspection He is reasonably careful not to press his analogies further than they will fair

go. As illustrations they are often striking, and of the whole discussion to which his subject gives rise it is to be said that it is unfailingly interesting It is the kind of discussion to which American public men are much less given and in which they are commonly much less competent than those of Great Britain, for example. One is patriotically gratified to find an American politician holding his own so well in so

unfamiliar an arena. The four addresses are the gist of the book. It is filled out to the dimer of a negotiable volume with matter of various kinds and various grades of it mere book noticing, seemingly not more worthy of collection and preservation than any other book noticing of the better sort. "Dante in the Bowers" is a taking title, which one finds to be a discussion of the advantages and drawbacks of admitting local and temporary allusions in a "serious" work made the break sharply. His artistic art. Certainly the practice tends to the training was of great usefulness to diminution of priggism, even if John him in the drawing of designs to ac- Milton would not have condescended iid. There is even a notice of the ubist exhibition. Why this restriction. did. the reader is tempted to inquire, in a series of remarks "de omnibus rebus ful task with distinction, striking a quibusdamque allis"? Tell us about nice balance between the usual human Mother Eddy! What do you think of element and the special scientific ele-ment of his subject's career. In work-laugh, but the most random and un-Richard Strauss? It is all very well to considered trifles bound up here have their uses, have their one use as to the author, that of, in the good old Gibbon-ian phrase, "attesting the variety of his inclinations." Here is a man to whom othing human is foreign. You will g far to find a book which on every page The collection of History as Litera-an interest in life; and what can be more admirable or enviable than that. what a better indication that life has been well spent? Admiration is increased with wonder that all these things should be "avocations," that all

SWINBURNE STOPPED COUNTRY CHURCHGOERS

this interested and enjoyed and inter-

done, so to say, "between rounds."

An amusing story of Swinburne is told by Edmund Gosse. At the age of 2: Swinburne was sent to study history

a glorious morning he arrayed himself in scarlet slippers and a light crimsor dressing gown, sauntered into the garden and leaned pensively over the gate, with his red hair flaming brilliantly in the sunlight.

sunlight.

The church bells were ringing and the parishioners had all to pass the parsonage gate to get to church. But none of them dared to pass the flaming apparition, and all came to a halt. The church bells stopped, but at the instance of the vicar, who could not believe that all his parishioners had deserted him, were rung again. sunlight.

At last the boldest man in the villag bolted past the gate and the rest stampeded after him. Swinburne gazing at them in quiet wonder at their strangmethod of going to church.—From the going to church.-From the Pall Mall Gazette.

THE PIONEER OF

CHEAP LITERATURE The introduction of the sloping Roman letters which are known to everybody ian is so much surer of being interesting than a "monograph of some imortance" by an American.

In the former case the casual reader of the former case the casual reader of the former case the casual reader of the world.

The books he printed, known a Aldine editions, are much sought after by collectors. His first volume in the new type was a Virgil published in 1561 a the price of about two shillings of our money. Aldus, in fact, was the ploneer cheap literature.

and practices, but always with the idea and notified on card catalogues to the of ultimate commercial application in the homeland. He saw "a short Cut monographic mandarins. Mr. Roosevelt from New York to Philadelphia to has encountered this haleful tendence.